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Title: Waveform and frame structure for fixed wireless loop synchronous CDMA communications system			
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Applicant(s) Name:	L-3 Communications Corp.		
Address:			
Inventor(s) Name:	P. L. Stephenson;T. R. Giallorenzi;J. M. Harris		
Attorney & Agent:	zou guangxin		

Abstract

Disclosed is a method for transmitting information in a CDMA communication system including (a) multiplexing control information into a data stream; (b) encoding (54) the data stream to form a stream of encoded I/Q symbol pairs; (c) inserting synchronization information into the stream of encoded I/Q symbols pairs; and (d) spreading the encoded pairs and the inserted synchronization information using a same pseudonoise (pn) spreading code (14e) prior to transmission. The preferred frame structure includes an unencoded synchronization field followed by a plurality of multi-byte fields (80A) are separated by a control message field (80B). Individual ones of the plurality of data fields (80A) are separated by a control message field (80B). Individual ones of the plurality of data fields contain a single byte of a multi-byte control message frame (82).

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